

Title (en)  
Control and operation device for an electric metal-clad power transmission line

Title (de)  
Regelungs und Bedienungsvorrichtung für ein gekapseltes Versorgungskabel

Title (fr)  
Dispositif de contrôle et de commande pour ligne de transport électrique blindée

Publication  
**EP 0673098 B1 19990506 (FR)**

Application  
**EP 95400548 A 19950314**

Priority  
• FR 9403058 A 19940316  
• FR 9403057 A 19940316

Abstract (en)  
[origin: EP0673098A1] The device for controlling and protecting an electric line shielded by pressurised dielectric gas, includes a number of sections, two adjacent sections being separated by a junction which permit separation of the sections. Each section includes at least one conductor maintained in position in a cylindrical sheath (1). The three phase conductors (3,4,5) are held in position by a bolted frame (20) and arms (9,10,11) within an inner aluminium sheath (2) and the outer steel sheath (1). Joints between sections of sheath are made by sliding cylinders (56,59,60) and between conductors by sliding sleeves (52). Bands of low coefficient plastic (22) maintain a space between inner and outer sheaths which allows an optical fibre (100) to run along a number of transmission line sections to a control station. In each section a microprocessor and signal convertor (102) gathers signals from thermal, partial discharge, luminous and gas flow sensors (103,104,105,106 and 107).

IPC 1-7  
**H02B 13/065**

IPC 8 full level  
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CPC (source: EP US)  
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Cited by  
DE19535605A1; EP0788207A1; FR2744279A1; EP0836258A1; FR2754631A1; US5930415A; US6239723B1; WO9608859A1; WO9728589A1

Designated contracting state (EPC)  
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